

Operating Instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso

STEREO TURNTABLE
 STEREO-PLATTENSPIELER
 PLATINE TOURNE-DISQUE STÉRÉO
 GIRADISCHI STEREO

PL-560

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Thank you for buying this Pioneer product. Please read through these operating instructions and then you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference. In accordance with the power and voltage requirements of differing areas, the following model names are used to designate models with differing electrical specifications.

Models	Line voltage
HEM, HB, HP, HEZ, NE, NEZ	a.c. 220, 240 volts ~ (Switchable voltage)
WEM, WB, WP	a.c. 220—240 volts ~
S, S/G, SS	AC 110, 120, 220, 240 volts (Switchable voltage)
D, D/G	AC 120, 220, 240 volts (Switchable voltage)
R, R/G	AC 110—120, 220—240 volts (Switchable voltage)
KUT, KCT, KU, KC	AC 120 volts
YP, YB	a.c. 240 volts ~

NOTES:

- The model names are stamped on the packing case.
- These operating instructions are prepared on the basis of the WEM model, and they can be used for other models. Although the design of the power plug and the power outlet shown may differ from the actual one, the operating procedures are the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

LINE VOLTAGE SELECTOR SWITCH

[only multi voltage models are provided with this switch but U.S.A., Canada, Europe, U.K. and Australia models are not provided with this switch]

The line voltage selector switch is located on the top of the cabinet of this turntable. Before your turntable is shipped from the factory, the switch is set to the power requirements of the turntable's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Provide yourself with a medium-sized screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

IMPORTANT NOTICE [For U.S.A. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep in a secure area. This is for your security.

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 **PIONEER®**

ENGLISH

DEUTSCH

FRANÇAIS

ITALIANO

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NEPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

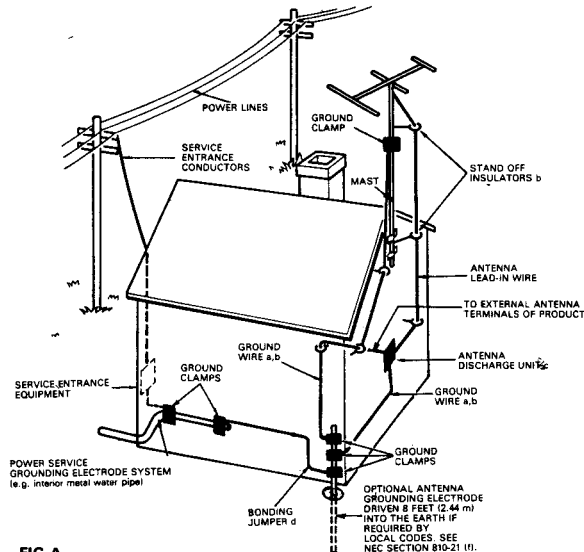


FIG. A

- Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel, bronze wire, or larger as ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- Mount antenna discharge unit as closely as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper or equivalent when separate antenna-grounding electrode is used.

IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off. Disconnect the wall plug when the equipment is not in (regular) use, e.g. when on vacation.

The power switch is secondary connected and therefore does not separate the unit from mains power in STAND-BY (tonearm is on the rest) position.

FOR USE IN THE UNITED KINGDOM

WARNING: This plug must only be connected to electronic apparatus equipped with suitable sockets. Otherwise cut off and dispose of the plug, and fit an appropriate one in accordance with the instructions below.

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

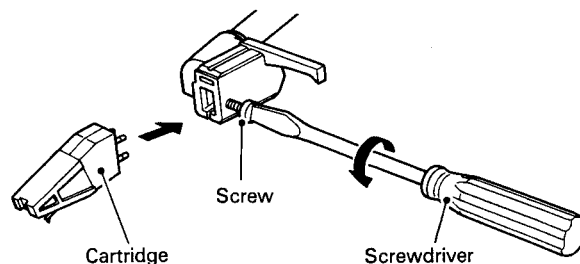
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

CARTRIDGE MOUNTING [For KUT and KCT models]

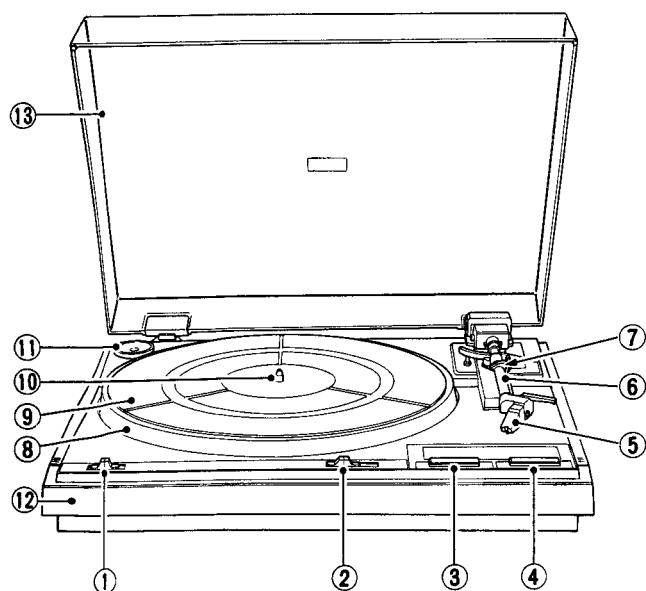
Since this turntable does not come with a cartridge, provide one of your own choosing and attach it to the tonearm as below.

Remove the screw attached to the tonearm, insert the cartridge, and retighten the screw.

TAP is the universal mark for the Plug-in connector system. Products carrying this mark are interchangeable and will accommodate each other.



PANEL FACILITIES



① SPEED switch

Set this switch in accordance with the speed of the record which is to be played.

- [33]: For 33-1/3 rpm records.
- [45]: For 45 rpm records.

② ARM ELEVATION switch

- Use the switch for manual play.
 - Use the switch to suspend record play temporarily.
 - Use the switch when changing the tracks during actual play.
- [UP]: The tonearm rises (the stylus moves away from the record).
- [DOWN]: The tonearm descends (the stylus is lowered onto the record).

③ SIZE switch

Set this switch in accordance with the size of the record which is to be played.

- [17] (depressed position): For 17 cm EPs
- [30] (released position): For 30 cm LPs

④ START/STOP switch

Depress this switch when starting auto play or when stopping play.

⑤ CARTRIDGE (PC-290T)

NOTE:

A cartridge is not provided with the KUT and KCT models, so your own cartridge should be mounted, following the instructions laid down in CARTRIDGE MOUNTING.

⑥ TONEARM

⑦ ARM REST

This serves to hold and clamp the tonearm. When moving the tonearm, release the clamp.

⑧ PLATTER

⑨ RUBBER MAT

⑩ PLATTER SHAFT

⑪ EP ADAPTER

This is used when playing records with a large center hole.

⑫ CABINET

⑬ DUST COVER

OPERATION BEFORE USE

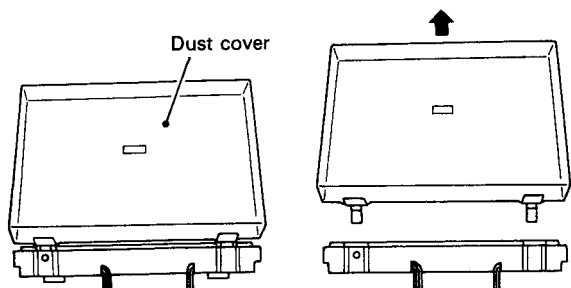
STEP 1 ASSEMBLING THE TURNTABLE

(1) Removing the dust cover

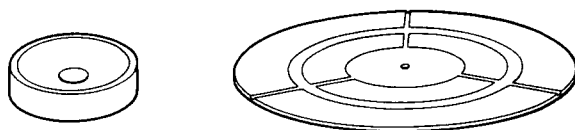
1. Open the dust cover as far as it will go.
2. Hold both sides of the dust cover and remove it from the cabinet by pulling it up.

NOTE:

Take care not to mark or scratch the dust cover which you have now removed.



(2) Checking the accessories and mounting parts

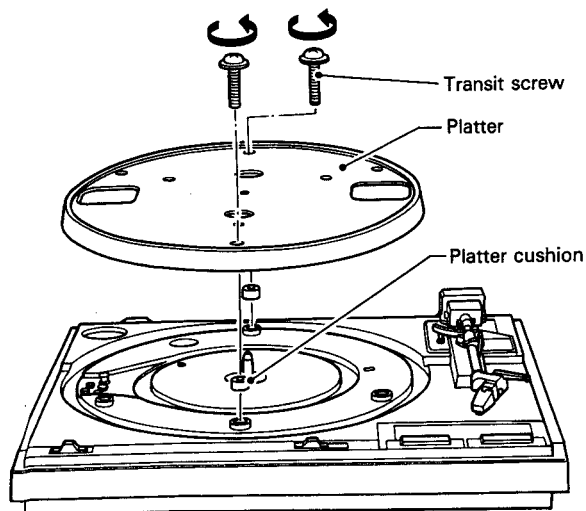


EP adapter
(Fastened by tape to
the top of the platter.)

Rubber mat

(3) Removing the transit screws

Using a Phillips head screwdriver, rotate the transit screws (2) in the direction of the arrow in the figure and remove the platter and the platter cushions.

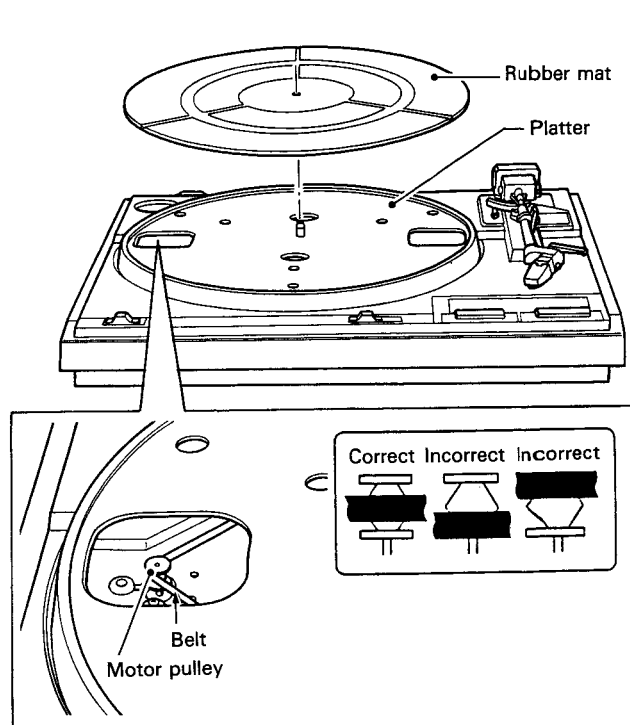


(4) Mounting the platter and rubber mat

1. Place the platter over the platter shaft. Place the belt over the motor pulley. (Rotate the platter slowly by hand and, as shown in the figure below, check that the belt has been placed over the motor pulley properly.)
2. Place the rubber mat on top of the platter.

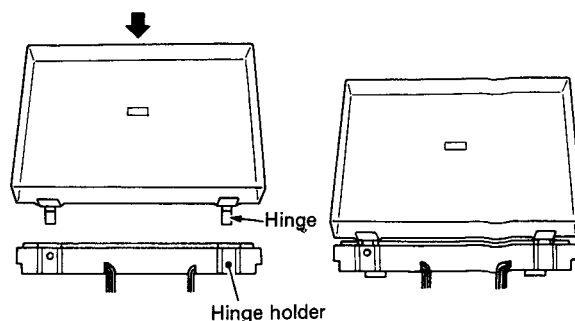
NOTE:

When mounting the platter, take care not to bump it into the platter shaft, the cabinet or the tonearm.

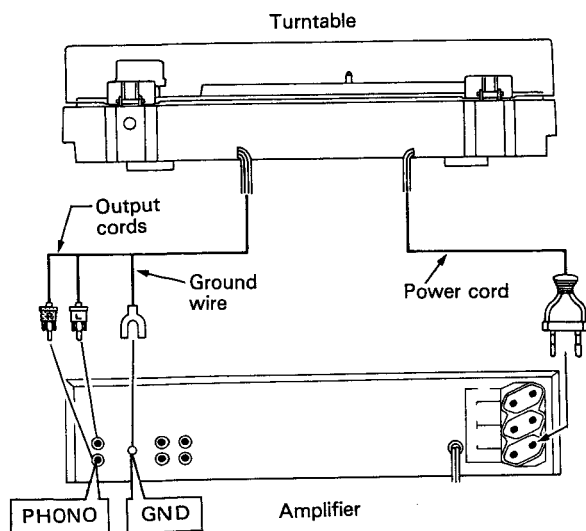


(5) Mounting the dust cover

1. Hold both sides of the dust cover and slide the hinges into the cabinet's hinge holders.
2. Push down until the dust cover goes no farther.



STEP 2 CONNECTING THE TURNTABLE AND AMPLIFIER



Connecting the ground wire

Attach the metal fitting onto the amplifier ground (GND) terminal.

Connecting the output cords

Insert the plugs into the amplifier's "PHONO" input terminals. (Always connect them to the MM terminals.)

- Connect the white plug to the left (L) channel and the red plug to the right (R) channel.
- Insert the plugs as far as they will go.

Connecting the power cord

Connect the power plug to the auxiliary "AC OUTLET" on the amplifier or to a household power outlet.

AFTER HAVING CARRIED OUT STEPS 1 THROUGH 2, READ THROUGH THE FOLLOWING CHECKPOINTS.

■ Incorrect connections at installation will lead to trouble.

- If the equipment is connected improperly, no sound will be heard. If the output cord plugs are not inserted as far as they will go or if the ground wire is not connected, a humming noise will be heard through the speakers.
- If the turntable is installed at an angle, the tonearm will slide on the record and the sound will be distorted. If vibrations are transmitted to the turntable, the sound may be discontinuous or it may tremble, and in some cases howl (a prolonged wailing sound from the speakers) may be heard.

■ Connection must be made to the amplifier's PHONO MM terminals.

The cartridge supplied with this unit is an IM type. Since it has a high output, it should be connected to the MM (moving magnet) terminals.

■ The connecting cords should be given some slack.

Check that none of the connecting cords are pulled taut after they have been connected. Tautness may lead to cord disconnections and howl.

■ The load impedance of the accessory cartridge is 50 kilohms.

If your stereo amplifier is provided with a selector switch for the cartridge load impedance, set this switch to the cartridge's rated value.

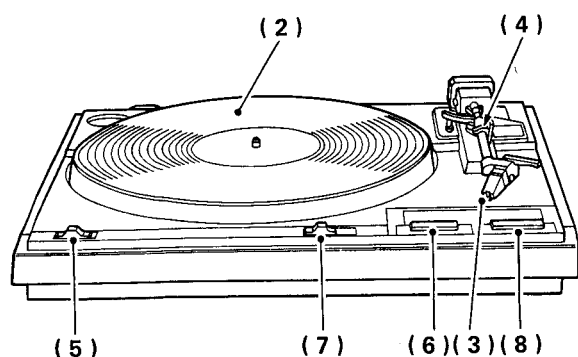
RECORD PLAY

RECORD PLAY PROCEDURE

(Auto Play)

When Using the Turntable for the First Time

The turntable may operate unstably due to the vibrations sustained during transportation. Proceed as follows to restore the turntable to its normal operating condition. This procedure is observed only once; on other occasions it may be disregarded. Perform steps [1] through [8] of the record play section and then press the START/STOP switch. In a few seconds, the tonearm will return to the arm rest and the platter will stop rotating. (The tonearm may return to the arm rest even if the START/STOP switch is not pressed.)

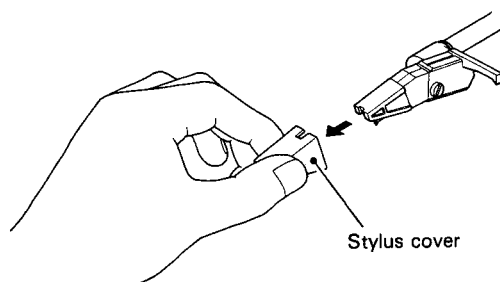


(1) Set the stereo amplifier up for record play.

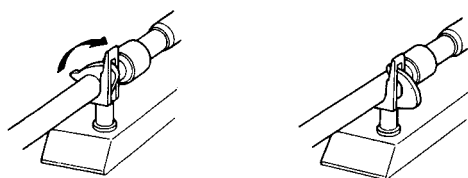
For details, refer to the Operating Instructions of the stereo amplifier.

(2) Place the record onto the platter.

(3) Remove the stylus cover.



(4) Release the tonearm.



(5) Move the SPEED switch and set the speed.

(6) Press the SIZE switch and set the size of the record.

(7) Set the ARM ELEVATION switch to the "DOWN" position.

(8) Press the START/STOP switch to start record play.

NOTE:

The stylus will not descend on the proper place with records which do not measure 30 cm or 17 cm. These records should therefore be played in the manual mode.

(9) Adjust the volume and tone using the controls on the stereo amplifier.

(10) Record play ends.

The tonearm automatically returns to the arm rest and the platter stops rotating.

MANUAL PLAY

Proceed with manual play in the following circumstances:

- When starting play at any track except the first.
- When the size of the record is not standard, which makes auto play impossible.

(1) Perform steps (1) through (5) of the RECORD PLAY PROCEDURE.

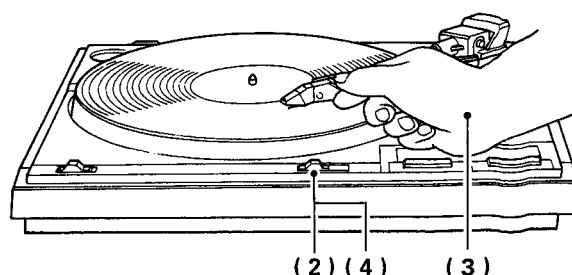
(2) Set the ARM ELEVATION switch to the "UP" position.

(3) Move the tonearm by hand to the desired position on the record.

(4) Set the ARM ELEVATION switch to the "DOWN" position and start record play.

(5) Adjust the volume and tone using the controls on the stereo amplifier.

(Upon completion of record play, the tonearm returns automatically to the arm rest.)

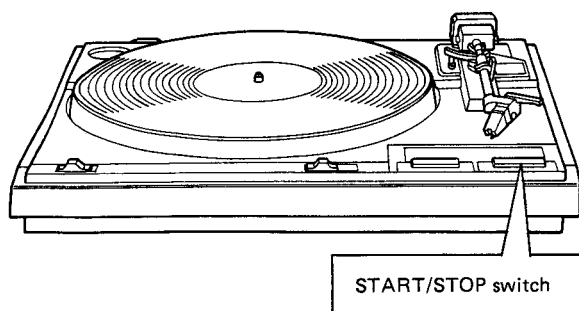


OPERATIONS FOR STOPPING PLAY

When stopping play in the middle of a record

- Press the **START/STOP** switch.

Several seconds after this switch is set, the tonearm automatically returns to the arm rest and the platter stops rotating.



When suspending play temporarily

(1) Move the **ARM ELEVATION** switch.

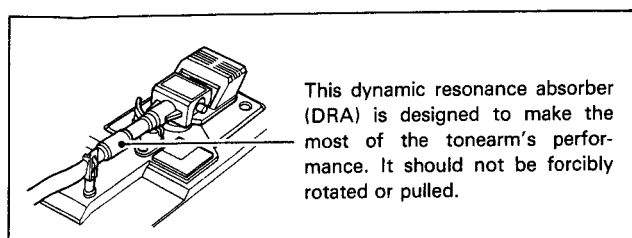
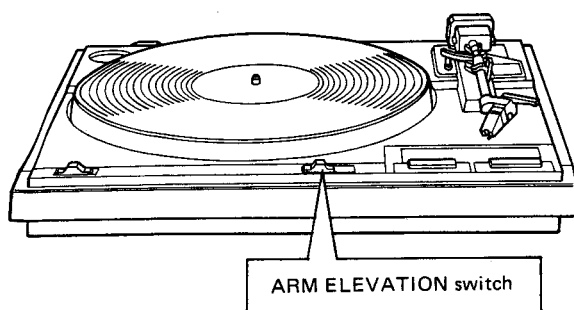
The stylus rises from the surface of the record and play stops (but the platter continues rotating).

NOTE:

After the tonearm has been returned manually to the arm rest, always remember to set the **ARM ELEVATION** switch to the **DOWN** position.

(2) Move the **ARM ELEVATION** switch again.

The stylus descends onto the record and play begins again.



ADJUSTING THE STYLUS DESCENT POSITION

Proceed as follows when the stylus does not descend in the proper position on the record during auto play. While performing the adjustment, take care not to scratch the record with the stylus.

(1) Perform steps (1) through (7) of the **RECORD PLAY PROCEDURE**.

(Place a 30 cm LP record on the platter.)

(2) Press the **START/STOP** switch and start auto play.

Check the direction and amount of stylus deviation (how many millimeters toward the inside or outside of the record's lead-in groove).

(3) Press the **START/STOP** switch and return the tonearm to the arm rest.

(4) Move the **ARM ELEVATION** switch to raise the stylus.

(5) Move the tonearm across to the outside edge of the record manually.

(6) Rotate the screw with a small screwdriver in accordance with the direction of the deviation observed in step 2.

- Every semi-turn of the screw corrects the stylus descent position by about 12 mm.
- Rotate the screw clockwise if the stylus descends on the outside of the proper position.
- Rotate the screw counterclockwise if the stylus descends on the inside of the proper position.

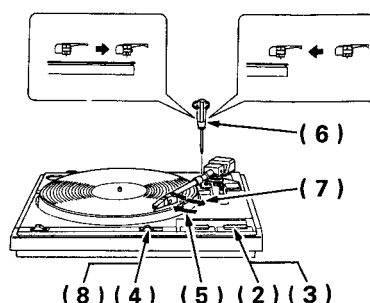
(7) Return the tonearm to the arm rest manually.

(8) Set the **ARM ELEVATION** switch to the "DOWN" position.

(9) Check the adjustment.

After the adjustment, press the **START/STOP** switch and check that the stylus stops at the lead-in groove on the outer circumference of the record.

If the position is still not correct, repeat steps (3) through (9).



MAINTENANCE

REPLACING THE STYLUS

(Only models supplied with cartridge)

- The service life of the stylus on the cartridge supplied ranges from 800 to 1,000 hours.
(If the stylus is used for 1 or 2 hours every day, it will last for one or two years.)

Using a worn or damaged stylus can damage the record and distort the sound reproduced. Remember to replace the stylus at the earliest possible date.

- Always use the PIONEER "PN-290T" as the replacement stylus.

The cartridge used in this turntable was developed by PIONEER and so only the specially designed replacement stylus should be used. It can be purchased at your PIONEER dealer.

- Always obtain the genuine PIONEER replacement stylus.

PIONEER is not able to safeguard against deterioration in performance or possible mechanical trouble if a replacement stylus of another make is used.

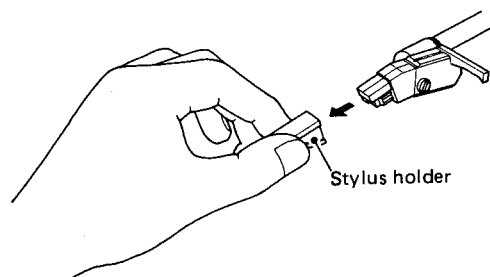
A genuine PIONEER replacement stylus always comes with the PIONEER mark. Check that this mark is on the stylus before purchasing it.

STYLUS REPLACEMENT PROCEDURE (Only models supplied with cartridge)

Turn down the stereo amplifier's volume control to the lowest position for this operation.

(1) Remove the stylus from the cartridge.

Hold the stylus holder and pull the stylus gently in the direction indicated by the arrow.



(2) Attach the new stylus holder (replacement stylus) to the cartridge.

MAINTAINING YOUR RECORDS

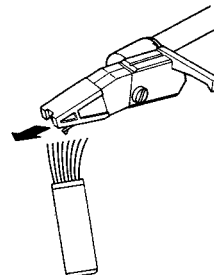
- Use a good quality record cleaner.

Cleaning records with a dry cleaner (velvet or nylon brush) may charge the records with static and generate noise. Wet cleaners and static removal sprays are more effective in getting rid of dust.

MAINTAINING THE STYLUS

- Use a soft brush.

Move the brush toward you to clear off the dust and dirt. Do not use your finger since this will damage the stylus.



- When the dirt cannot be removed by a brush

Obtain some stylus cleaner from your dealer and remove. Do not allow any of the liquid to come into contact with the plastic parts as they may dissolve.

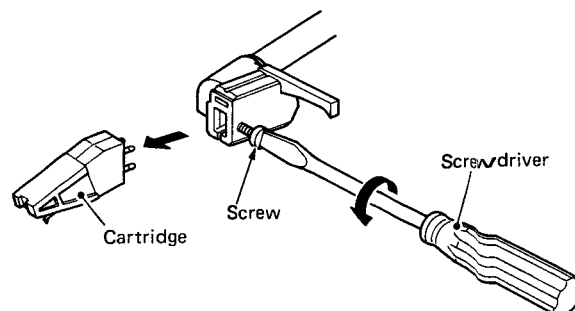
CONDENSATION

When this turntable is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside and the unit may not do full justice to its performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

REPLACING THE CARTRIDGE

TP is the universal mark for the Plug-in connector system. Products carrying this mark are interchangeable and will accommodate each other.

Remove the screw attached to the tonearm, insert the replacement cartridge, and retighten the screw.



SPECIFICATIONS

Motor and Turntable

Drive System	Belt-drive
Motor	DC servo motor
Turntable Platter	304 mm diam. aluminum alloy die-cast
Speeds	33-1/3 and 45 rpm
Wow and Flutter	Less than 0.05% (WRMS) ± 0.07% WTD Peak (DIN)
Signal-to-Noise-Ratio	More than 68 dB (DIN-B) (with Pioneer cartridge model PC-290T)

Tonearm

Type	Integrated straight tonearm
Effective Arm Length	221 mm

PC-290T Specifications

Type	IM type
Stylus	0.6 mil diamond (PN-290T)
Output Voltage	2.5 mV (1 kHz, 5 cm/s LAT. Peak)
Tracking Force	1.0 g to 1.5 g (proper 1.25 g)
Frequency Response	10 to 30,000 Hz
Recommended Load	50 kΩ
Weight	6 g

Subfunctions

Auto lead-in, auto return, auto cut, arm elevation, manual play quick play, free stop hinges.

Miscellaneous

Power Requirements	
WEM, WB, WP models	AC 220 V — 240 V~ 50, 60 Hz
KUT, KCT, KU, KC models	AC 120 V, 60 Hz
R, R/G models	110 V — 120 V/220 V — 240 V (switchable), 50/60 Hz
Power Consumption	
WEM, WB, WP models	2 W
KUT, KCT, KU, KC models	2 W
R, R/G models	2 W
Dimensions	420 (W) x 108 (H) x 374 (D) mm 16-1/2 (W) x 4-1/4 (H) x 14-3/4 (D) in.
Weight	3.9 kg/8 lb 10 oz

Accessories

EP Adapter	1
Operating Instructions	1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check out the points below. Sometimes, the trouble may lie in another component. Investigate the other components and electrical appliances being used.

If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Possible cause	Remedy	Page no.
Platter does not rotate.	• Power plug is disconnected from outlet.	• Connect to stereo amplifier or wall outlet.	5
	• Stereo amplifier's power switch is OFF when unit's power plug has been plugged into SWITCHED outlet coupled to stereo amplifier's power switch.	• Set stereo amplifier's power switch to ON.	—
	• Platter belt has become disengaged or is not positioned properly on motor pulley.	• Position belt properly over the motor pulley.	4
No sound	• Improper output cord connections	• Connect properly to stereo amplifier.	5
	• Dirty output cord pin plugs or stereo amplifier input jacks	• Clean away dirt.	—
	• Improper cartridge and stylus mounting	• Secure stylus and cartridge properly.	8
	• Incorrect stereo amplifier operation	• Check positions of stereo amplifier's switches.	—
Noise or scratching noise (crackling sound is heard)	• Dust or dirt on record surface	• Clean record with cleaner.	8
	• Warped record or scratches on record	• Replace record.	—
Intermittent sound	• Dirty output cord pin plugs or stereo amplifier input jacks	• Clean away dirt.	—
Distorted sound.	• Dust or dirt on cartridge stylus	• Clean stylus with brush.	8
	• Worn cartridge stylus	• Replace stylus.	8
	• Dust or dirt on record surface	• Clean record with cleaner.	8
	• Warped record or scratches on record	• Replace record.	—
Howl (prolonged wailing sound heard through speakers when volume is turned up during play)	• Vibrations from speaker systems are being transmitted from floor to the record or cartridge.	• Place the turntable at a distance from speakers.	—
	• Sound pressure of speaker systems is being transmitted to cartridge directly.	• Place the turntable on a sturdy stand.	—
Humming noise (heard from speaker systems)	• Improper output cord or ground wire connections	• Connect output cords and ground wire properly to stereo amplifier.	5
	• Improper cartridge and stylus mounting	• Secure stylus and cartridge properly.	8
	• Effects of magnetic flux leakage being felt from stereo amplifier's power transformer, etc.	• Try changing position of stereo amplifier and turntable.	—
Odd sound tempo	• SPEED switch position does not match rated record speed.	• Set switch to position corresponding to rated record speed (33 or 45).	3
	• Belt not positioned correctly.	• Re-position belt properly.	4
No auto lead-in (tonearm does not move with auto play)	• Tonearm is anchored to arm rest.	• Release arm rest.	6
Stylus does not descend onto correct position during play.	• Special record is being used.	• Use manual play.	6
	• Stylus descent position deviates.	• Adjust position properly.	7
	• SIZE switch is not at correct position.	• Set switch to that position corresponding to record size.	3